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(71) Applicants (for all designated States except US): **THE-EXCHANGECORP.COM, LLC** [US/US]; 730 North Lasalle 3rd Floor, Chicago, IL 60610 (US). **GREENBERG, Michael, A.** [US/US]; 1030 North State Street, Apt. 49L, Chicago, IL 60610 (US). **PENSA, Christian, A., S.** [BR/US]; 1030 North State Street, Apt. 50L, Chicago, IL 60610 (US). **ZAOUTER, Patrick** [FR/US]; 1030 North State Street, Apt. 50L, Chicago, IL 60610 (US).

(74) Agent: **NICHOLAS, Frank, C.**; Cardinal Law Group, Suite 2000, 1603 Orrington Avenue, Evanston, IL 60201 (US).

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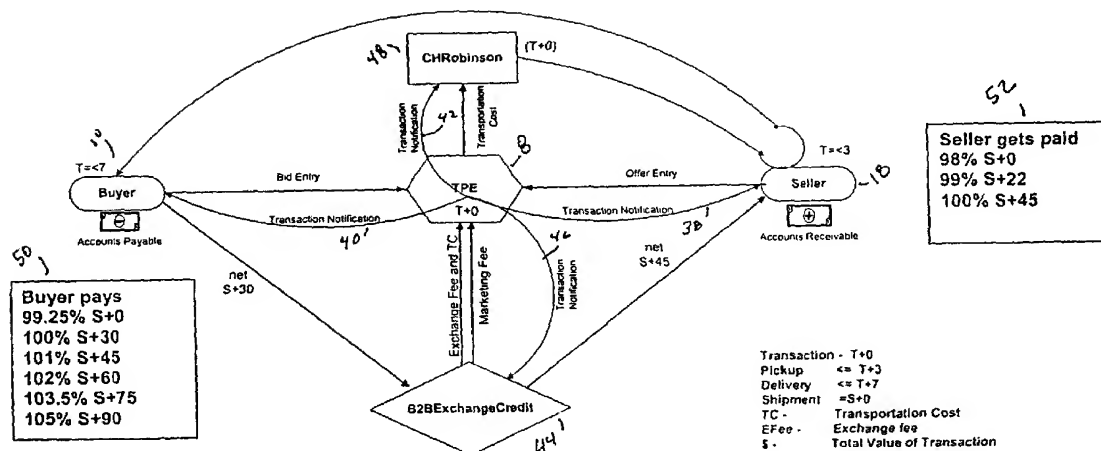
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(54) Title: METHOD AND SYSTEM FOR EXCHANGING COMMODITIES ONLINE



(57) Abstract: The present invention provides a method of providing a best bid offer to a buyer, including receiving one or more offers to sell a commodity according to a predetermined contract at one or more specified prices. The specified prices are adjusted based on shipping costs associated with a destination specified by the buyer. The plastic exchange (8), when a transaction occurs. Submits notification to the seller (18) via line (38), the buyer (10) via line (40) and the transportation partner (48) via line (42). In addition, an exchange credit entity or clearinghouse (44) is also notified via line (46). Upon shipment, the seller (18) may inquire to the exchange system (8) for money. For example system (8) may pay 98 % net immediately or 100 % net upon he expiration of 45 days, as shown in Box (52).

METHOD AND SYSTEM FOR EXCHANGING COMMODITIES ONLINE

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RELATED APPLICATIONS

This application claims benefit of U.S. Application No. 60/224,008, filed August 4, 2000.

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FIELD OF THE INVENTION

The present invention generally relates to the field of commodities exchange and more specifically, the online purchasing and selling of commodities from business to business.

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BACKGROUND OF INVENTION

Various commodity products are bought and sold in bulk. One example of these commodity products is plastic resin. The \$100 billion virgin plastic resin market can be divided into 2 main categories, engineered resins and commodity resins. They each comprise about half of the market; there are about 33,000 different grades of engineered resins but only a few dozen different types of commodity resins. About half of the commodity resins are purchased on a contract basis, the other half in the spot market.

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In the offline world, a typical spot buyer of plastics may call, for example, 5 different distributors/suppliers/ brokers/resellers to try to source the plastic resin required. The buyer may ask the distributor for example "I am here in Chicago and I am looking for 2 truckloads of "High Density Polyethylene-HIC Blow Molding." Do you have it, and how much is it priced delivered?"

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The salesperson on the other end of the phone will typically look into a database and see that they have the 2 truckloads of HDPE- HIC and notices that the nearest warehouse is in Akron, Ohio. The salesperson mentally calculates the freight cost, adds it to the cost of the resin and marks up a

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The buyer then calls a second distributor and asks the same question. This time the seller sees that their nearest source of resin is Houston. After adding the freight to Chicago, the new offer totals \$0.525 per pound. This process typically repeats until the buyer has a minimal number of quotes, for example, five quotes. The buyer typically calls the cheapest distributor and purchases the resin.

Once a transaction has been confirmed, the distributor then must contact their logistics department to begin the transportation process. A notice is also sent to the credit department, and they generate a receivable that must be collected. Terms are generally net 30 days; the seller will typically collect in 52-57 days.

With the insurgence of dot-com competition, some online marketplaces for plastics resin have developed. There are catalogues, auctions and bulletin boards. Some include search and sort functions to navigate through the non-standardized offers of plastic resins. Non-standardized options include quantities ranging from hundreds of pounds to thousands of kilos to metric tons and railcars; priced in US Dollars, Euros, Yen, or Pesos; and delivery methods, with source and delivery locations spanning the globe. Offers may last from hours to weeks, and if a transaction does occur, the buyer and seller must work out delivery logistics and payment terms. In addition, information is private on these types of sites with deals being viewable to only the buyer and seller, preventing price discovery for the rest of the market. Though operational, these marketplaces lack the continuity and assurance of a standardized marketplace such as a commodities exchange.

Thus, there is a need for a method and system for a commodities exchange of bulk products. In addition, the method and system for a commodities exchange should also perform the transactions with anonymity of both parties, in order for a truly unbiased and open market to operate. This invention provides a method for buying and selling commodities in a real-time bid/ask marketplace with all bids and offers anonymous, and all trades for delivery only.

SUMMARY OF THE INVENTION

One aspect of the present invention provides a method for providing a commodity offer price to a buyer, including receiving an offer to sell a commodity according to a predetermined contract at a specified price, adjusting the specified price based on shipping costs and transferring the adjusted price to the buyer over a computer network for displaying by a remote client.

In other aspects of the invention the step of adjusting may include adding the shipping costs to the specified price to produce the adjusted price. The invention can further provide receiving a shipping destination from the buyer, receiving a shipping origin from the seller, computing the shipping costs as a function of the distance between of the shipping destination and shipping origin and adding the shipping costs to the specified price to produce the adjusted price.

Another aspect of the present invention provides a method for providing a bid to a seller, including receiving a bid to purchase a commodity according to a predetermined contract discounting the bid based on shipping costs and transferring the discounted bid to the seller over a computer network for displaying by a remote terminal.

In other aspects of the invention the step of discounting may include subtracting the shipping costs from the bid to produce the discounted bid. The invention may include receiving a shipping destination from the buyer, receiving a shipping origin from the seller, determining the shipping costs based on the shipping destination and shipping origin and subtracting the shipping costs from the bid to produce the discounted bid.

Another aspect of the present invention provides a method of providing a best bid and a best offer to a buyer, including receiving one or more offers to sell a commodity according to a predetermined contract at one or more specified prices. The specified prices are adjusted based on shipping costs associated with a destination specified by the buyer. A best offer is determined from the adjusted prices. A source location is determined corresponding to the best offer price. One or more bids are received to purchase the commodity. A best bid is determined corresponding to the

source location. The best bid is adjusted based on the shipping cost between the source location and the destination and the adjusted best bid and the best offer are transferred to the buyer over a computer network for display by a networked host. The shipping cost may be computed as a function of the distance between the destination and the source location.

In other aspects of the invention the shipping cost may be computed as a function of a predetermined freight matrix.

Another aspect of the present invention provides a method of providing a best bid and a best offer to a seller, including receiving one or more bids to purchase a commodity according to a predetermined contract, adjusting the bids based on shipping costs associated with a source location specified by the seller, determining a best bid from the adjusted bids, determining a shipping destination corresponding to the best bid, receiving one or more offers to sell the commodity, determining a best offer corresponding to the shipping destination, adjusting the best offer based on the shipping cost between the source location and the shipping destination and transferring the adjusted best offer and the best bid to the seller over a computer network.

In other aspects of the invention the shipping cost may be computed as a function of the distance between the destination and the source location. The shipping cost may be computed as a function of a predetermined freight matrix.

Another aspect of the invention provides a system for exchanging commodities, including means for permitting a seller to enter an offer for selling a commodity according to a predetermined contract, means for permitting a buyer to enter a bid for purchasing the commodity, means for matching the bid to the offer to generate a transaction, means for notifying a transportation partner of the transaction so that the transportation partner can arrange pick-up and delivery of the commodity and means for notifying a credit clearinghouse of the transaction so that the clearinghouse can arrange to receive payment from buyer and make payment to the seller.

Another aspect of the invention provides an exchange system, including a buyer interface for displaying a menu for selecting a shipping destination and for displaying a table identifying one or more commodity

contracts and corresponding buyer market prices for the commodity contracts, the buyer market prices being adjusted based on the shipping destination and a seller interface for displaying a menu for selecting a shipping origination and for displaying a table identifying the commodity contracts and corresponding seller market prices for the commodity contracts, the seller market prices being adjusted based on the shipping origination.

In other aspects at least one of the buyer market prices may include a best offer and a best bid. The best offer may be computed by adding to one or more offers the cost of shipping between a respective shipping origin and the shipping destination, whereby generating one or more adjusted offers, and then selecting the lowest adjusted offer to be the best offer. The best bid may be computed by determining a shipping origin corresponding to a best offer, determining a highest bid available to a seller at the shipping origin, and adjusting the highest bid based on the shipping cost between the shipping origin and the shipping destination to get the best bid. Each of the seller market prices may include a best offer and a best bid. The best bid can be computed by subtracting from one or more bids the cost of shipping between a respective shipping destination and a shipping origin, whereby generating one or more adjusted bids, and then selecting the lowest adjusted bid to be the best bid. The best offer can be computed by determining the shipping destination corresponding to a best bid, determining a lowest offer available to a buyer at the shipping destination, and adjusting the lowest offer based on the shipping cost between the shipping origin and the shipping destination to get the best offer. The exchange system may further include a seller order entry interface, operatively associated with the seller interface, permitting a seller to enter an offer for selling a commodity according to a predetermined contract and a buyer order entry screen, operatively associated with the seller interface, permitting a buyer to enter a bid for purchasing the commodity. The system may further include a transaction generator, operatively associated with the seller order and buyer order interfaces, for matching the bid to the offer to generate a transaction.

A delivery interface may be operatively associated with the transaction generator, for notifying a transportation partner of the transaction so that the transportation partner can arrange pick-up and delivery of the commodity. A finance interface, may be operatively associated with the transaction
5 generator, for notifying a credit clearinghouse of the transaction so that the clearinghouse can arrange to receive payment from buyer and make payment to the seller. A login interface may be provided for permitting a user to login to the system as a buyer or a seller, the login interface causing either the buyer interface or the seller interface to be displayed to the user.

10 Another aspect of the invention provides a computer-usable medium storing a computer program including means for displaying a menu for selecting a shipping destination, means for displaying one or more commodity contracts and corresponding buyer market prices for the commodity
15 contracts, the buyer market prices being adjusted based on the shipping destination, means for displaying a menu for selecting a shipping origination and means for displaying the commodity contracts and corresponding seller market prices for the commodity contracts, the seller market prices being adjusted based on the shipping origination.

Another aspect of the invention provides a computer-based system,
20 including a buyer screen for displaying a menu for selecting a shipping destination and for identifying one or more commodity contracts and corresponding buyer market prices for the commodity contracts, each of the buyer market prices comprising a best offer and a best bid, wherein the best offer is computed by adding to one or more offers the cost of shipping
25 between a respective shipping origin and the shipping destination, whereby generating one or more adjusted offers, and then selecting the lowest adjusted offer to be the best offer, wherein the best bid is computed by determining the shipping origin corresponding to the best offer, determining a highest bid available to a seller at the shipping origin, and adjusting the
30 highest bid based on the shipping cost between the shipping origin and the shipping destination to get the best bid, a seller screen for displaying a menu for selecting a shipping origin and for identifying the commodity contracts and corresponding seller market prices for the commodity contracts, each of the

seller market prices comprising a best offer and a best bid, wherein the best bid is computed by subtracting from one or more bids the cost of shipping between a respective shipping destination and the shipping origin, whereby generating one or more adjusted bids, and then selecting the lowest adjusted
5 bid to be the best bid, wherein the best offer is computed by determining the shipping destination corresponding to the best bid, determining a lowest offer available to a buyer at the shipping destination, and adjusting the lowest offer based on the shipping cost between the shipping origin and the shipping
10 destination to get the best offer, a seller order entry screen for permitting a seller to enter an offer for selling a commodity according to a predetermined contract, a buyer order entry screen for permitting a buyer to enter a bid for purchasing the commodity and an exchange engine for matching the bid to the offer to generate a transaction.

In another aspect of the invention the system can further include a
15 delivery interface for notifying a transportation partner of the transaction so that the transportation partner can arrange pick-up and delivery of the commodity. A finance interface may be provided for notifying a credit clearinghouse of the transaction so that the clearinghouse can arrange to receive payment from buyer and make payment to the seller. A login
20 interface may permit a user to login to the system as a buyer or a seller, the login interface causing either the buyer screen or the seller screen to be displayed to the user.

The foregoing and other features and advantages of the invention will become further apparent from the following detailed description of the
25 presently preferred embodiments, read in conjunction with the accompanying drawing.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 illustrates a front page of an embodiment of a method and
30 system for exchanging commodities; made in accordance with the present invention;

FIG. 2 illustrates specific details of capacity and packaging;

FIG. 3 illustrates another size contract, including specific details of capacity and packaging;

FIGS. 4 illustrates the standard contracts of prime commodity specifications, in accordance with the method and system of the present invention;

FIG. 5 illustrates the specifications of a particular contract of prime commodity specifications, in accordance with the method and system of the present invention;

FIG. 6 displays a trading floor screen, in accordance with the method and system of the present invention;

FIG. 7 illustrates a buy order entry screen, in accordance with the method and system of the present invention;

FIG. 8 illustrates an order confirmation message screen, in accordance with the method and system of the present invention;

FIG. 9 illustrates a working order screen, in accordance with the method and system of the present invention;

FIG. 10 illustrates an example of a filled order screen, in accordance with the method and system of the present invention;

FIG. 11 illustrates a filled order screen, in accordance with the method and system of the present invention;

FIG. 12 illustrates a sell order entry screen, in accordance with the method and system of the present invention;

FIG. 13, illustrates a branded market screen, in accordance with the method and system of the present invention;

FIG. 14 illustrates a message board screen, in accordance with the method and system of the present invention;

FIG. 15 illustrates a flow diagram of a method and system for exchanging commodities, made in accordance with the present invention; and

FIG. 16 illustrates a flow diagram of a method and system for an exchange of monies, made in accordance with the present invention.

DETAILED DESCRIPTION OF THE PRESENTLY PREFERRED EMBODIMENTS

The following description, in conjunction with the Figures, describes one embodiment of an exchange system for goods, made in accordance with the present invention. In accordance with the present invention, the exchange system is a real-time bid/ask marketplace for the buying and selling of commodity product. One example is the exchange of prime virgin commodity plastics resins. It is not a catalogue, auction, or bulletin board, but rather a real online commodities exchange adapted for the plastics market. All bids and offers are always anonymous, even after the trade. This is an exchange for the spot market; all trades are for delivery only.

The exchange system may reside on any electronic communication node, such as, for example, an Internet Web site. The communication node of the present invention can include, but is not limited to, an interactive voice response node, a server computer, or other suitable system. It will be recognized that the communication node may be integrated within or may be remote from the communication networks.

When a buyer applies for membership at the exchange system, the buyer is also applying for a line of credit with an online credit partner, such as, for example, B2BExchangeCredit.com. After the trade, a transportation partner, such as, for example, CH Robinson, will move the product from dock-to-dock. B2BExchangeCredit.com may act as the clearinghouse for the exchange system and, together, can guarantee quality, delivery, and payment.

FIG. 1 illustrates the front page of the Website, made in accordance with the present invention. At this stage, the public has free access to historic price charts, plastics industry news, and fundamental research on the 5 plastics commodities sectors that are traded on the exchange system.

As FIGS. 2 and 3, which show the specifics of the transportation partner, illustrate, the plastics contracts are traded in two standard sizes: 42,000 lb packaged truckloads, and 190,000 lb bulk railcars. The transportation partner handles freight and logistics end-to-end, so buyers and

sellers can maintain their anonymity. Thus, FIGS. 2 and 3 illustrate the specifications and details of each transportation partner.

FIGS. 4 and 5 illustrate the 27 standard contracts of prime commodity plastics resins, as well as a specification of a particular contract. Each
5 standard contract is defined by a specific range of properties including, for example, melt flow, density and additives. For each contract, the present invention has identified all brands that conform to the specifications of the contracts, and are deliverable against the corresponding contract.

FIG. 6 displays the trading floor. Furthermore, FIG. 6 displays the
10 tightest bid/ask market for each contract in both truckloads and railcars. This is a generic market, since all offers must conform to the specifications of the contract, a brand must be attached. The brand, however, is not shown in the generic market, only the quantity and price (there is a branded market that will be explained further later). When a buyer selects a city from his unique pull-
15 down menu of delivery points, the transportation module of the present invention takes the newly selected delivery point and attaches it to all sell offers in the exchange system of the present invention. The system identifies all transportation routes and finds the associated freight rate for each offer and adds it to the sellers' offers and performs a sort; only the lowest offer is
20 shown to the buyer. Based upon the best offer, and its location, the system shows the buyer what the seller (the lowest offer) sees as the best bid. If the buyer wants to be the best bid to the market, the buyer must bid higher than the bid shown on the exchange. The buyer may place a bid below the market and if the market goes down the bid may get filled.

25 For example, for the first contract HDPE-HIC Blow Molding, there are 3 truckloads bid at \$0.572 per pound and 3 truckloads offered at \$0.601 per pound; 6 railcars bid at \$0.525 per pound and 3 railcars offered at \$0.535 per pound. A buyer can place a bid lower, equal to, or higher than the prevailing bid with any number of contracts that he chooses. If he wishes to buy the
30 offer, he can buy 1, 2, or 3 truckloads. If he bids \$0.601 for 4 truckloads, he will purchase the 3 offered, and the new high bid will become \$0.601 for 1 truckload.

Furthermore, if the buyer were to now select another city, the exchange system will once again re-price itself, and prices will be different. The quantities on the trading floor associated with the best bids and offers will likely change because the lowest offer may be coming from a different seller
5 (probably closer in location) and he has likely offered a different number of contracts.

Clicking on any of the contracts will pop an "action box." Being selected in FIG. 6 is bid placement. Other screens that are accessed from this action box are described in detail below.

10 Since contracts have been standardized, buyers and sellers can post their bids and offers with only a few simple mouse clicks. When selected from the trading floor, the 'buy order entry screen,' as shown in FIG. 7, is already loaded with the contract that has been selected, the delivery point that was last used on the trading floor, and the lowest offer price in the
15 system (the same information as detailed on the trading screen of FIG. 6). Any of these variables can be changed from the pull down menus. The only variable that needs to be selected to make a trade is the number of contracts, and whether they are truckloads or rail cars.

When the order is submitted, the order confirmation message comes
20 up, displaying, in plain English, the order that is being placed. This is illustrated in FIG. 8.

The working order screen, as illustrated in FIG. 9, shows only those working orders for the contract that is selected (from the action box of FIG. 6, above). If the user selects 'show all' (above delivery point on the working
25 order screen), all of the users working orders are shown. If the 'working order' button is selected from the left navigation bar, all of the users working orders will be displayed, and the user then can sort by any column, or do a search.

FIG. 10 illustrates an example of a filled order screen. When an order
30 has been filled, the filled order screen will show the value of the purchase, as well as the status of the order. In this case, as shown by the "inventory status," the product has yet to be picked up from the sellers dock.

When an order is filled, the transportation partner is notified of both parties of the transaction by email and on their screen that they login to on the exchange system. The shipping and destination information (which is captured when members apply to the exchange) are popped up when the origin or destination location is clicked. They send a truck to the supplier's dock and transport the product to the buyers dock. When the trade happens, the seller actually sells the product to the exchange system and the exchange system sells it to the buyer. The exchange system officially takes title of the product when it is picked up, and keeps it during the transportation process and then transfers the title to the buyer on delivery.

When the product is picked up from the supplier, the trucker enters the exact weight on the bill of lading; this exact weight is input by the transportation partner in the screen that they log into. The system then recalculates the exact value of the transaction; this interfaces with the credit module of the exchange system, for an exact payable to the seller and receivable from the buyer. The transportation partner then enters an ETA and also updates the status of the order from the pull down menu on their screen. The change of the status for the buyer is illustrated in the filled order screen of FIG. 11.

When the seller enters an order, as through the sell order entry screen of FIG. 12, he specifies the price that he wishes to sell his product, FOB his shipping point. He also specifies which location he will deliver from and the brand that he will deliver. He has the choice however, to only send the offer to the Generic Trading Floor, or to also include the offer in the Branded Market. The seller may chose not to send the order to the branded market, as they may be trying to 'quietly' sell surplus resin to the market and does not want to indicate to the industry that they are selling at a price lower than their prevailing contract price.

FIG. 13 illustrates the branded market screen that is seen by the buyer. Note how the sell order placed above becomes the branded offer seen below. The buyer cannot 'bid' into the offer price, only purchase the brand at the price offered. Of course, he has the generic Trading floor.

Finally, FIG. 14 illustrates a message board. The message board provides a display for quickly viewing relevant information, such as, for example, information concerning any orders being placed by both buyers and sellers, whether the order has been changed, and the current status of the order. Furthermore, all actions are recorded in the message screen. They can be deleted or archived and stored for permanent records. Working and filled orders may be output to an Excel spreadsheet.

When a seller becomes a member of the exchange system, he is signing a legal document. The seller warrants, by contract, that he will only enter an order that he is ready and able to ship. He further warrants that the product shipped conforms to the specifications of the exchange system contract. If the seller is unable to fulfill this contracted obligation, the exchange system will preferably itself step in and source the product and deliver it to the buyer. Additionally, the seller has the option to request payment upon shipment for a small discount, or receive payment net 45 days. Furthermore, the buyer has the option to pay upon shipment with a small discount, net 30, or use our financing for up to 90 days.

To further the purpose of the exchange system, the system may provide the following policies to be adhered to by all participants. First, with regards to trade matching, the participants' orders are electronically matched by the exchange system based on price and time of entry. Upon the matching of a buy and sell order, the transaction becomes a legally binding contract and the exchange system generates an electronic confirmation which is automatically sent to both participants. The exchange system, in the absence of such additional delivery instructions, will initiate delivery following the participant's default instructions. Participants are required to forward additional delivery instructions to the exchange immediately following the transaction either via phone or e-mail.

Once a transaction becomes a legally binding contract, both parties to the contract must perform (Seller must deliver, Buyer must take delivery). Netting of transactions is not permitted.

Second, with regards to transportation, each contract includes the provision and cost of delivery. Delivery for truckloads shall be provided solely

by the exchange system through its transportation partner. Because transportation is an integral part of each contract, each participant must provide delivery instructions to the exchange system upon approval as a participant. Neither the transportation partner nor the exchange system shall
5 be liable for any consequential damages that occur in transit. Third, with regards to any right of rejection, a participant may only reject delivery of a contract where the product delivered does not meet the standardized contract specifications set forth in the Agreement. The participant must notify the exchange system immediately of such refusal. The exchange system, upon
10 such notification, shall dispatch an independent party to analyze the product for compliance with the standardized contract specifications.

If the product meets such specifications, the buyer must bear the cost of such independent analysis and must accept delivery.

If the product does not meet such specifications, the seller must bear
15 the cost of such independent analysis and the cost of return shipping. Further, the seller must accept the returned product and ship to the buyer a product that meets the standardized contract specifications.

If the seller is unable to provide such product, the exchange system will purchase a substitute product at the current market price and the seller shall
20 be responsible for all related costs, including any difference in price.

Fourth with regards to a failure to deliver, if a seller fails to deliver any order pursuant to the terms of a contract, the exchange system may purchase the product at the prevailing market price for the benefit of the buyer and the seller shall be responsible for all costs related to such failure, including any
25 price difference. The exchange system may offset these fees against payment due to the seller.

Fifth, regarding dispute resolution, each participant must agree that it will use its best efforts to resolve any dispute that arises between the participant and the exchange system by participating in a meeting with the
30 management of the exchange system. If the parties cannot come to an agreement through such meeting, the participant must agree to submit to binding arbitration. Each participant must further agree to submit to binding arbitration when a dispute is brought to arbitration that involves the

contraparty to any corresponding trade of the participant and/or the exchange system.

Finally, regarding business conduct, the participants must adhere to the following restrictions and requirements. The exchange system may, in its
5 sole discretion, impose such sanctions against each participant for violating the following as the exchange system may deem reasonable and appropriate, including but not limited to fine, suspension, termination or any such other sanction.

Furthermore, neither a participant nor any employee of a participant
10 shall engage in any fraudulent act or to deceive, trick or engage in any scheme to defraud, in connection with or related to any trade on or other activity related to the exchange system. Orders of contracts entered in the exchange system for the purpose of upsetting the equilibrium of the market and bringing about a condition of demoralization in which prices do not or will
15 not reflect fair market values, are forbidden.

The exchange system may also prohibit manipulation of the market. That is, it shall be an offense to violate any exchange system policy regulating the conduct or business of any participant, or any agreement made with the exchange system, or to engage in fraud, dishonorable or dishonest conduct,
20 or in conduct or proceedings inconsistent with just and equitable principles of trade, or intentionally default on the delivery of Contracts. Furthermore, it shall be an offense against the exchange system to make a misstatement of material fact to the exchange system.

Additionally, neither a participant nor any employee of a participant
25 may use the electronic access to the exchange system in any way that would tend to bring disrepute upon the participant or the exchange system.

FIG. 15 illustrates a flow diagram of a commodities exchange system
8. Referring to FIG. 15, a buyer 10 places a bid, as shown on the Buy Order Entry Page 12 of the exchange system 8. If the bid is less than a best offer,
30 then the bid becomes a working order, and is displayed on the Buyer's Working Order Page 14. Additionally, the bid is displayed on a Trading Floor Page 16. A seller 18 places an order, as shown on the Sell Order Entry Page 20 of the exchange system 8. If the order is greater than a best bid, then the

order becomes a working order, and is displayed in the Seller's Working Order Page 22. Additionally, the order is displayed on the Trading Floor Page 16.

5 If a bid and an offer match, a trade occurs, and notification is given to both the buyer 10 and the seller 18, through the Buyer's Notification Page 24 and the Seller's Notification Page 26, respectively. Additionally, both the buyer 10 and the seller 18 may be sent an e-mail describing the transaction.

10 The order then appears on the Buyer's Filled Order Page 28 and the Seller's Filled Order Page 30. Furthermore, notification is given to a transportation partner on a Transportation Partner's Page 32. At this point, the transportation partner contacts the buyer 10 and the seller 18 to arrange transportation of the commodity. This process is done so that the buyer 10 and the seller 18 remain anonymous with respect to each other. Finally, as shown by line 34, the transportation of the commodity is provided by the transportation partner, preferably by either truck or rail.

Referring to FIG. 16, a flow diagram of the exchange of monies is provided. In FIG. 16, the plastics exchange 8, when a transaction occurs, submits notification to the seller 18 via line 38, the buyer 10 via line 40 and the transportation partner 48 via line 42, as previously discussed. In addition, 20 a exchange credit entity or clearinghouse 44 is also notified via line 46. The clearinghouse 44 may also be provided as an electronic communicative node in communication with the exchange system, such as, for example, on the Internet. The clearinghouse 44 provides an exchange fee and a marketing fee for the exchange system 8. In addition, the exchange system 8 provides 25 a transportation fee to the transportation partner 48. Upon shipment, the seller 18 may inquire to the exchange system 8 for money. For example, the exchange system 8 may pay 98% net immediately or 100% net upon the expiration of 45 days, as shown in Box 52. Also upon shipment, the buyer 10 may immediately pay, for example, 99.25% transaction value, may pay 100% 30 transaction value after 30 days, or upon credit terms of up to 90 days, for example, as shown in Box 50.

The exchange system 8 allows the buyer 10 to filter out seller 18 to whom the buyer 10 does not want to see the buyer's bid. Additionally, the

fee for the exchange system 8. In addition, the exchange system 8 provides a transportation fee to the transportation partner 48. Upon shipment, the seller 18 may inquire to the exchange system 8 for money. For example, the exchange system 8 may pay 98% net immediately or 100% net upon the expiration of 45 days, as shown in Box 52. Also upon shipment, the buyer 10 may immediately pay, for example, 99.25% transaction value, may pay 100% transaction value after 30 days, or upon credit terms of up to 90 days, for example, as shown in Box 50.

The exchange system 8 allows the buyer 10 to filter out seller 18 to whom the buyer 10 does not want to see the buyer's bid. Additionally, the exchange system 8 allows the seller 18 to filter out its offers from being seen by certain buyers 10 at the trading floor 16.

It should be appreciated that the embodiments described above are to be considered in all respects only illustrative and not restrictive. The scope of the invention is indicated by the following claims rather than by the foregoing description. All changes that come within the meaning and range of equivalents are to be embraced within their scope.

CLAIMS

1. A method for providing a commodity offer price to a buyer, comprising:
 - 5 receiving an offer to sell a commodity according to a predetermined contract at a specified price;
 - adjusting the specified price based on shipping costs; and
 - transferring the adjusted price to the buyer over a computer network for displaying by a remote client.
- 10 2. The method of claim 1, wherein the step of adjusting includes adding the shipping costs to the specified price to produce the adjusted price.
- 15 3. The method of claim 1, further comprising:
 - receiving a shipping destination from the buyer;
 - receiving a shipping origin from the seller;
 - computing the shipping costs as a function of the distance between the shipping destination and the shipping origin; and
 - 20 adding the shipping costs to the specified price to produce the adjusted price.
- 25 4. A method for providing a bid to a seller, comprising:
 - receiving a bid to purchase a commodity according to a predetermined contract;
 - discounting the bid based on shipping costs; and
 - transferring the discounted bid to the seller over a computer network for displaying by a remote terminal.
- 30 5. The method of claim 4, wherein the step of discounting includes subtracting the shipping costs from the bid to produce the discounted bid.

6. The method of claim 4, further comprising:
receiving a shipping destination from the buyer;
receiving a shipping origin from the seller;
determining the shipping costs based on the shipping
5 destination and shipping origin; and
subtracting the shipping costs from the bid to produce the
discounted bid.
7. A method of providing a best bid and a best offer to a buyer,
10 comprising:
receiving one or more offers to sell a commodity according to a
predetermined contract at one or more specified prices;
adjusting the specified prices based on shipping costs
associated with a destination specified by the buyer;
15 determining a best offer from the adjusted prices;
determining a source location corresponding to the best offer
price;
receiving one or more bids to purchase the commodity;
determining a best bid corresponding to the source location;
20 adjusting the best bid based on the shipping cost between the
source location and the destination; and
transferring the adjusted best bid and the best offer to the buyer
over a computer network for display by a networked host.
8. The method of claim 7, further comprising:
25 computing the shipping cost as a function of the distance
between the destination and the source location.
9. The method of claim 7, further comprising:
30 computing the shipping cost as a function of a predetermined
freight matrix.

10. A method of providing a best bid and a best offer to a seller, comprising:

receiving one or more bids to purchase a commodity according to a predetermined contract;

5 adjusting the bids based on shipping costs associated with a source location specified by the seller;

determining a best bid from the adjusted bids;

determining a shipping destination corresponding to the best bid;

10 receiving one or more offers to sell the commodity;

determining a best offer corresponding to the shipping destination;

adjusting the best offer based on the shipping cost between the source location and the shipping destination; and

15 transferring the adjusted best offer and the best bid to the seller over a computer network.

11. The method of claim 10, further comprising:

20 computing the shipping cost as a function of the distance between the destination and the source location.

12. The method of claim 10, further comprising:

25 computing the shipping cost as a function of a predetermined freight matrix.

13. A system for exchanging commodities, comprising:

means for permitting a seller to enter an offer for selling a commodity according to a predetermined contract;

5 means for permitting a buyer to enter a bid for purchasing the commodity;

means for matching the bid to the offer to generate a transaction;

means for notifying a transportation partner of the transaction so that the transportation partner can arrange pick-up and delivery of the commodity; and

10 means for notifying a credit clearinghouse of the transaction so that the clearinghouse can arrange to receive payment from buyer and make payment to the seller.

14. An exchange system, comprising:

a buyer interface for displaying a menu for selecting a shipping destination and for displaying a table identifying one or more commodity contracts and corresponding buyer market prices for the commodity contracts, the buyer market prices being adjusted based on the shipping destination; and

20 a seller interface for displaying a menu for selecting a shipping origination and for displaying a table identifying the commodity contracts and corresponding seller market prices for the commodity contracts, the seller market prices being adjusted based on the shipping origination.

25

15. The exchange system of claim 14, wherein at least one of the buyer market prices comprises a best offer and a best bid.

16. The exchange system of claim 15, wherein the best offer is computed by adding to one or more offers the cost of shipping between a respective shipping origin and the shipping destination, whereby generating one or more adjusted offers, and then selecting the lowest adjusted offer to be the best offer.

30

17. The exchange system of claim 15, wherein the best bid is computed by determining a shipping origin corresponding to a best offer, determining a highest bid available to a seller at the shipping origin, and adjusting the highest bid based on the shipping cost between the shipping origin and the shipping destination to get the best bid.

18. The exchange system of claim 14, wherein each of the seller market prices comprises a best offer and a best bid.

19. The exchange system of claim 18, wherein the best bid is computed by subtracting from one or more bids the cost of shipping between a respective shipping destination and a shipping origin, whereby generating one or more adjusted bids, and then selecting the lowest adjusted bid to be the best bid.

20. The exchange system of claim 18, wherein the best offer is computed by determining the shipping destination corresponding to a best bid, determining a lowest offer available to a buyer at the shipping destination, and adjusting the lowest offer based on the shipping cost between the shipping origin and the shipping destination to get the best offer.

21. The exchange system of claim 14, further comprising:
a seller order entry interface, operatively associated with the seller interface, permitting a seller to enter an offer for selling a commodity according to a predetermined contract; and
a buyer order entry screen, operatively associated with the seller interface, permitting a buyer to enter a bid for purchasing the commodity.

22. The exchange system of claim 21, further comprising:
a transaction generator, operatively associated with the seller order and buyer order interfaces, for matching the bid to the offer to generate a transaction.

23. The exchange system of claim 22, further comprising:
a delivery interface, operatively associated with the transaction generator, for notifying a transportation partner of the transaction so that the transportation partner can arrange pick-up and delivery of the commodity.

5

24. The system of claim 22, further comprising:
a finance interface, operatively associated with the transaction generator, for notifying a credit clearinghouse of the transaction so that the clearinghouse can arrange to receive payment from buyer and make payment to the seller.

10

25. The system of claim 14, further comprising:
a login interface permitting a user to login to the system as a buyer or a seller, the login interface causing either the buyer interface or the seller interface to be displayed to the user.

15

26. A computer-usable medium storing a computer program, comprising:

means for displaying a menu for selecting a shipping destination;

20

means for displaying one or more commodity contracts and corresponding buyer market prices for the commodity contracts, the buyer market prices being adjusted based on the shipping destination;

means for displaying a menu for selecting a shipping origination;

25 and

means for displaying the commodity contracts and corresponding seller market prices for the commodity contracts, the seller market prices being adjusted based on the shipping origination.

27. A computer-based system, comprising:

5 a buyer screen for displaying a menu for selecting a shipping destination and for identifying one or more commodity contracts and corresponding buyer market prices for the commodity contracts, each of the buyer market prices comprising a best offer and a best bid, wherein the best offer is computed by adding to one or more offers the cost of shipping between a respective shipping origin and the shipping destination, whereby generating one or more adjusted offers, and then selecting the lowest adjusted offer to be the best offer, wherein the best bid is computed by
10 determining the shipping origin corresponding to the best offer, determining a highest bid available to a seller at the shipping origin, and adjusting the highest bid based on the shipping cost between the shipping origin and the shipping destination to get the best bid;

15 a seller screen for displaying a menu for selecting a shipping origin and for identifying the commodity contracts and corresponding seller market prices for the commodity contracts, each of the seller market prices comprising a best offer and a best bid, wherein the best bid is computed by subtracting from one or more bids the cost of shipping between a respective shipping destination and the shipping origin, whereby generating one or more
20 adjusted bids, and then selecting the lowest adjusted bid to be the best bid, wherein the best offer is computed by determining the shipping destination corresponding to the best bid, determining a lowest offer available to a buyer at the shipping destination, and adjusting the lowest offer based on the shipping cost between the shipping origin and the shipping destination to get
25 the best offer;

a seller order entry screen for permitting a seller to enter an offer for selling a commodity according to a predetermined contract;

a buyer order entry screen for permitting a buyer to enter a bid for purchasing the commodity; and

30 an exchange engine for matching the bid to the offer to generate a transaction.

28. The system of claim 27, further comprising:
a delivery interface for notifying a transportation partner of the transaction so that the transportation partner can arrange pick-up and delivery of the commodity.

5

29. The system of claim 27, further comprising:
a finance interface for notifying a credit clearinghouse of the transaction so that the clearinghouse can arrange to receive payment from buyer and make payment to the seller.

10

30. The system of claim 27, further comprising:
a login interface permitting a user to login to the system as a buyer or a seller, the login interface causing either the buyer screen or the seller screen to be displayed to the user.

15

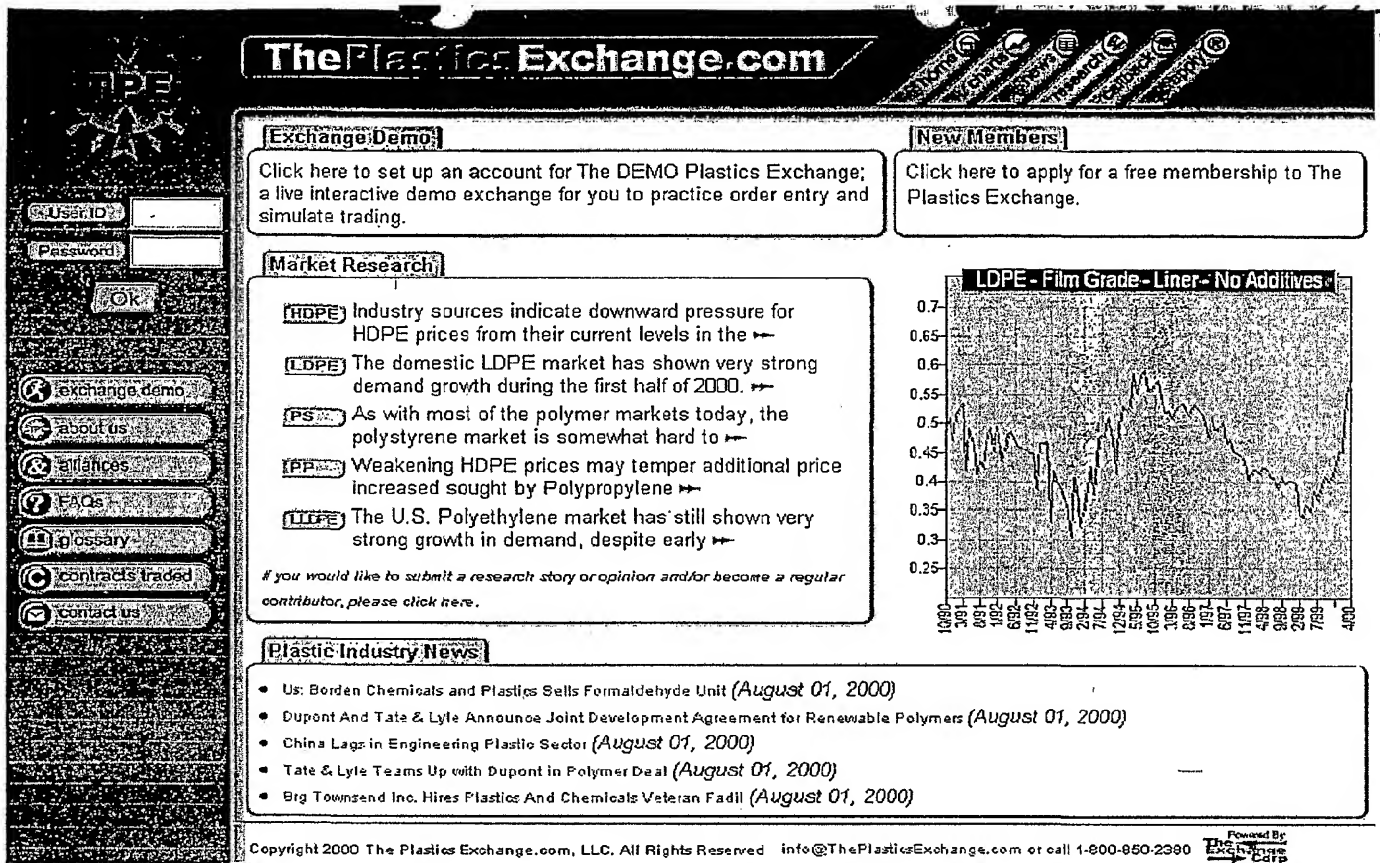


FIG. 1

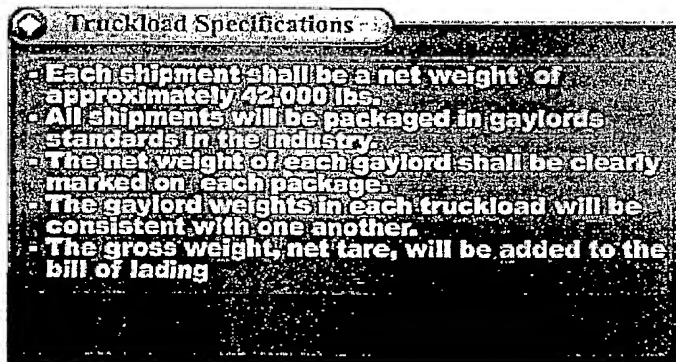


FIG. 2

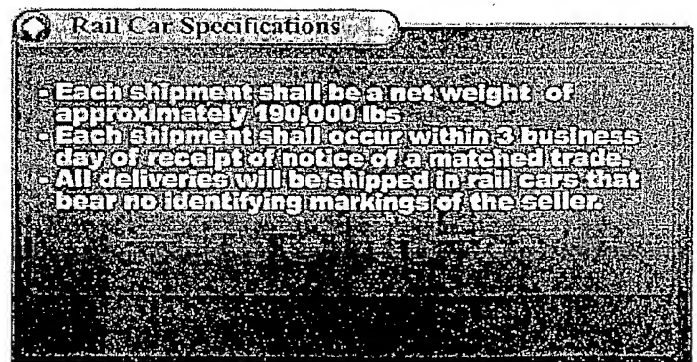


FIG. 3

ThePlasticsExchange.com

Contracts Traded

Contract Name

- HDPE - HIC Blow Molding
- HDPE - Inj. Molding - Crate Grade
- HDPE - Inj. Molding - Pail Grade
- HDPE - Inj. Molding GP - 20 melt
- HMWPE - Film Grade
- LDPE - Film Grade - Clarity - Medium Additives
- LDPE - Film Grade - Clarity - No Additives
- LDPE - Film Grade - Liner - Medium Additives
- LDPE - Film Grade - Liner - No Additives
- LDPE - Inj. Molding GP - 20 melt
- LLDPE - Film Grade - Butene - High Additives
- LLDPE - Film Grade - Butene - Medium Additives
- LLDPE - Film Grade - Butene - No Additives
- LLDPE - Film Grade - Hexene - High Additives
- LLDPE - Film Grade - Hexene - Medium Additives
- LLDPE - Film Grade - Hexene - No Additives
- LLDPE - Inj. Molding - 60 melt
- LLDPE - Inj. Molding GP - 20 melt
- Polystyrene General Purpose - Inj. Molding - 8 melt
- Polystyrene High Impact - Inj. Molding - 8 melt

Contract Specifications

HDPE - Inj. Molding GP - 20 melt

Family: Polyethylene
Category: High Density
Process: Injection Molding
Features: General Purpose
Melt Flow Target: 20.00
Melt Flow Range: 18.00 - 24.00
Density Target: 0.953
Density Range: 0.950 - 0.955

Conforming Brands

Certene(TM) HD-1953
Mobil HDPE HMA-047
Formolene® LH5320
Eraclene® MR 80

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End User Terms

Powered By Exchange Corp

FIG. 4

ThePlasticsExchange.com				1-800-850-2380		info@ThePlasticsExchange.com			
Contracts Specifications				TRUCKLOAD : 22,000 lbs		RAIL CAR : 199,000 lbs			
Family	Category	Process	Features	Melt Flow Tgt. Range	Density Tgt. Range	Load Tgt. Range	Additive Levels Slip Anti-Block		
Polyethylene	HMW	Film	8 - 15 HLM	0.08	0.05 - 0.10	0.950	0.948 - 0.952		
Polyethylene	High Density	Injection Molding	Crate Grade	8.00	6.00 - 10.00	0.962	0.960 - 0.965		
Polyethylene	High Density	Blow Molding	HIC	0.30	0.25 - 0.38	0.953	0.952 - 0.955		
Polyethylene	High Density	Injection Molding	General Purpose	20.00	18.00 - 24.00	0.953	0.950 - 0.955		
Polyethylene	High Density	Injection Molding	Pail Grade	7.00	6.00 - 8.00	0.953	0.950 - 0.955		
Polyethylene	Low Density	Film	Clarity, less 6% Haze	2.00	1.50 - 2.50	0.920	0.918 - 0.924	0	0
Polyethylene	Low Density	Film	Clarity, less 6% Haze	2.00	1.50 - 2.50	0.920	0.918 - 0.924	650 - 950	1300 - 2100
Polyethylene	Low Density	Film	Liner	2.00	1.50 - 2.50	0.920	0.918 - 0.924		0
Polyethylene	Low Density	Film	Liner	2.00	1.50 - 2.50	0.920	0.918 - 0.924	650 - 950	1300 - 2100
Polyethylene	Low Density	Injection Molding	General Purpose	20.00	18.00 - 26.00	0.922	0.920 - 0.924		
Polyethylene	Linear Low Density	Film	Butene	1.00	0.80 - 1.20	0.920	0.918 - 0.924	0	0
Polyethylene	Linear Low Density	Film	Butene	1.00	0.80 - 1.20	0.920	0.918 - 0.924	600 - 1200	2500 - 5000
Polyethylene	Linear Low Density	Film	Butene	1.00	0.80 - 1.20	0.920	0.918 - 0.924	1000 - 1500	5000 - 7500
Polyethylene	Linear Low Density	Film	Hexene	1.00	0.80 - 1.20	0.920	0.917 - 0.924	0	0
Polyethylene	Linear Low Density	Film	Hexene	1.00	0.80 - 1.20	0.920	0.917 - 0.924	750 - 1300	3000 - 5000
Polyethylene	Linear Low Density	Film	Hexene	1.00	0.80 - 1.20	0.920	0.917 - 0.924	1250 - 2250	5000 - 8000
Polyethylene	Linear Low Density	Injection Molding	General Purpose	20.00	16.00 - 24.00	0.920	0.918 - 0.925		
Polyethylene	Linear Low Density	Injection Molding		50.00	43.00 - 57.00	0.920	0.918 - 0.925		
Polystyrene	General Purpose	Injection Molding		8.00	6.00 - 10.00				
Polystyrene	High Impact	Injection Molding		8.00	6.00 - 9.00			2.00	1.70 - 2.10
Polypropylene	Impact Copolymer	Injection Molding		10.00	8.00 - 12.00			2.00	1.80 - 2.50
Polypropylene	Impact Copolymer	Injection Molding		20.00	18.00 - 24.00			2.00	1.80 - 2.50
Polypropylene	Impact Copolymer	Injection Molding		4.00	3.00 - 5.00			2.50	2.20 - 2.80
Polypropylene	Random Copolymer	Injection Molding	Clarity	12.00	10.00 - 14.00				
Polypropylene	Random Copolymer	Injection Molding	Clarity	32.00	28.00 - 38.00				
Polypropylene	Homopolymer	Injection Molding	High Flow	32.00	28.00 - 38.00				
Polypropylene	Homopolymer	Injection Molding	General Purpose	12.00	10.00 - 14.00				
Copyright 2000 The Plastics Exchange.com, LLC. All Rights Reserved.									
We reserve the right to, at any time, add, alter, modify or change the contracts available for trade on The Exchange									

FIG. 5

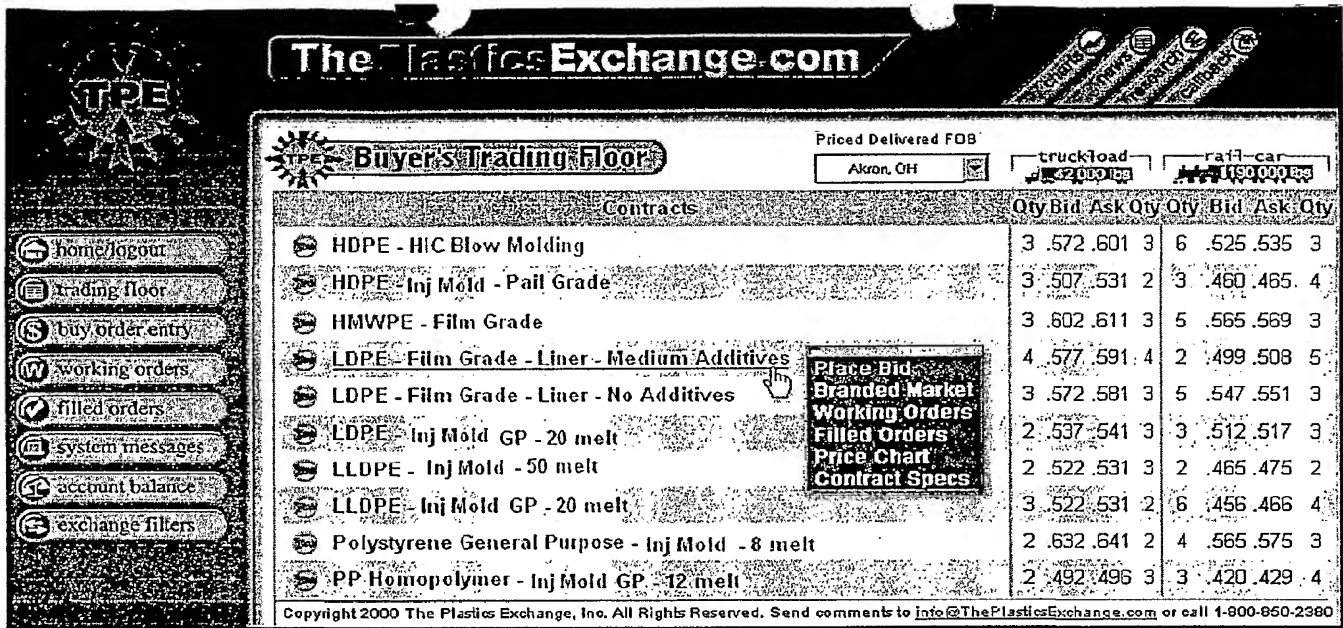


FIG. 6

The screenshot shows the 'Buy Order Entry' interface on ThePlasticsExchange.com. The top navigation bar includes 'home/logout', 'trading floor', 'buy order entry', 'branded market', 'working orders', 'filled orders', 'system messages', 'account balance', and 'exchange filters'. The main content area displays a form for entering a buy order. The form includes fields for Quantity, Contract, Delivery Point, and Buying Price FOB Delivery Point. A 'SUBMIT' button is at the bottom.

Quantity: 3 (Truckloads* (42,000 lbs) / Rail Cars* (100,000 lbs))

Contract: LDPE - Film Grade - Clarity - Medium Additives

Delivery Point: Akron, OH

Buying Price FOB Delivery Point: \$.541 per lb

*All quantities are estimated. Actual values will be calculated at completion of order.

SUBMIT

FIG. 7



FIG. 8

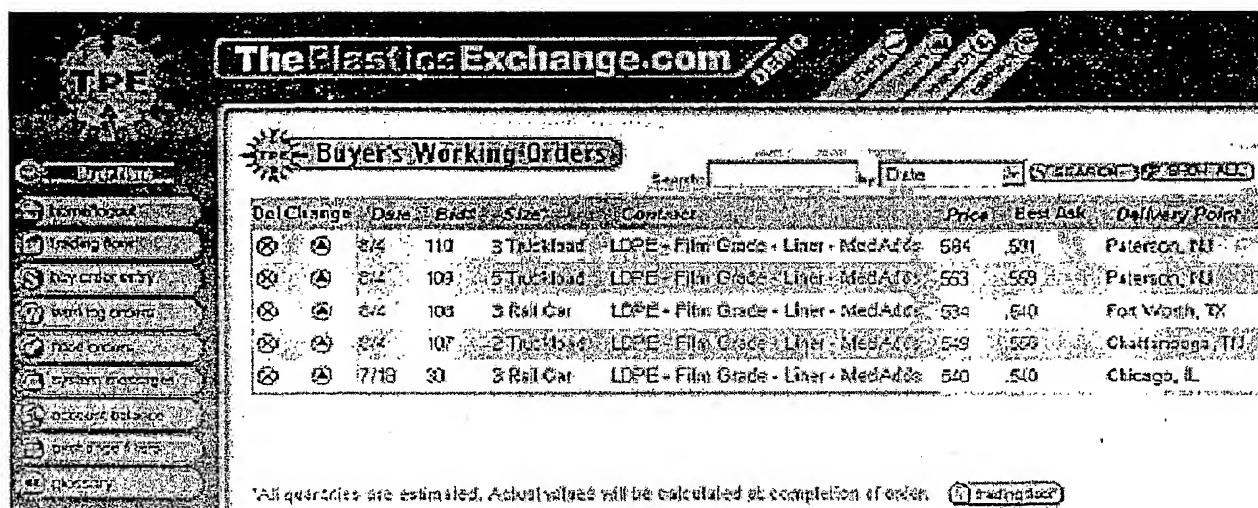


FIG. 9

ThePlasticsExchange.com DEMO

Buyer's Filled Orders

Search: by Date

Status	Date	Order#	Size	Contract	Price	Value	Delivery Point
Inventory	8/3	9	1 Truckload	LDPE - Film Grade - Clarity	.564	\$23,688	Akron, OH

*All quantities are estimated. Actual values will be calculated at completion of order.
Estimate values are in red, actual values are in black.

FIG 10

ThePlasticsExchange.com

Filled Orders

Status	ET	Date	TPE Order#	CH Order#	Size	Contract	Weight	Origin	Delivery
Delivered	28-Jul	23-Jul	123	54654	8 T	HDPE Pail Grade - Inj. Mold.	350,003	Houston, TX	Chicago, IL
Loaded	26-Aug	24-Jul	124	54621	45 R	LLDPE Injection Molding Butene	988,563	Cleveland, OH	Houston, TX
Delivered	29-Aug	25-Jul	125	45654	3R	HDPE - HIC Blow Molding	591,236	San Francisco, CA	Cleveland, OH
Loaded	5-Aug	26-Jul	126	87687	2T	LLDPE Injection Molding Butene	83,560	San Francisco, CA	San Francisco, CA
Loaded	9-Aug	27-Jul	127	53543	8 T	HDPE Crate Grade - Inj. Mold.	350,123	Chicago, IL	Miami, FL
en Route	3-Aug	28-Jul	128	87878	1T	HDPE - HIC Blow Molding	41,956	Houston, TX	San Francisco, CA
Delivered	2-Sep	29-Jul	129	45378	5R	HDPE Crate Grade - Inj. Mold.	950,654	Chicago, IL	Miami, FL
Dispatched	3-Sep	26-Aug	130	78687	2T	LLDPE Injection Molding Butene	-	Houston, TX	San Francisco, CA
Inventory	4-Sep	27-Aug	131	23231	3T	HDPE Pail Grade - Inj. Mold.	-	Cleveland, OH	Akron, OH
Dispatched	5-Sep	28-Aug	132	45645	2T	LLDPE Injection Molding Butene	-	San Francisco, CA	San Francisco, CA

CH Robinson Input Fields

Pop up


Company: Equistar Chemicals LP
Address: 7644, HDPE St - Dock 4
Address2:
City: Houston
State: Texas
Phone Number: 515.263.5641
Contact: Christy Proenza
Special Indications: neighbor with Solvay

Pop up


Company: ABC Injection Molder
Address: 7644, Spain St - Dock 4
Address2: Industrial District
City: Chicago
State: Illinois
Phone Number: 773.455.8912
Contact: Juan Marques (storage man)
Special Indications: corner with England st.

Only mail EDI is working

FIG. 11



ThePlasticsExchange.com



TPE

home/logout

trading floor

sell order entry

working orders

filled orders

system messages

account balance

exchange filters

glossary

Sell Order Entry

truckload 42,000 lbs		rail-car 190,000 lbs	
Bid	Ask	Bid	Ask
.521	.541	.459	.469

Quantity

☒ Truckloads* (42,000 lbs)

☐ Rail Cars* (190,000 lbs)

Contract

HDPE - Inj. Molding - Crate Grade

Petromont® DMDA-8007

Shipping Point

Akron, OH


Selling Price FOB Shipping Point

\$.574 per lb.


*All quantities are estimated. Actual values will be calculated at completion of order.

☒ **SUBMIT**

FIG. 12



ThePlasticsExchange.com



TPE

home/logout

trading floor

buy order entry

working orders

filled orders

system messages

account balance

exchange filters

glossary

Branded Market

FOB Delivery Point

Akron, OH

Contract

HDPE - Inj. Molding - Crate Grade

Truckload

Quantity	Price	Brand	Buy
<input type="text" value="0"/>	0.564	Daelim Poly® LH-6070UV	<input checked="" type="checkbox"/> SUBMIT
<input type="text" value="0"/>	0.572	Alathon® M 6060	<input checked="" type="checkbox"/> SUBMIT
<input type="text" value="0"/>	0.573	Chevron PE HD 9708	<input checked="" type="checkbox"/> SUBMIT
<input type="text" value="0"/>	0.574	Petromont® DMDA-8007	<input checked="" type="checkbox"/> SUBMIT

Rail Car

Quantity	Price	Brand	Buy
<input type="text" value="0"/>	0.469	Alathon® M 6050	<input checked="" type="checkbox"/> SUBMIT
<input type="text" value="0"/>	0.470	Alathon® M 6052	<input checked="" type="checkbox"/> SUBMIT
<input type="text" value="0"/>	0.472	Alathon® M 6060	<input checked="" type="checkbox"/> SUBMIT
<input type="text" value="0"/>	0.473	Chevron PE HD 9708	<input checked="" type="checkbox"/> SUBMIT
<input type="text" value="0"/>	0.474	Petromont® DMDA-8007	<input checked="" type="checkbox"/> SUBMIT
<input type="text" value="0"/>	0.475	Alathon® M 6062	<input checked="" type="checkbox"/> SUBMIT

FIG. 13



ThePlasticsExchange.com

DEMO



Buyer Name

Home/logout

Trading floor

Buy order entry

Branded market

Working orders

Filled orders

System messages

Account balance

Exchange filters

Sending a Message

Send a message to:

The Plastics Exchange ☒

Message body:

☒ SUBMIT

Message Queue

- August 03, 2000 19:50 CHANGED #12 to BUY 6 Truckloads of HMWPE - Film Grade for \$.520 per pound. Delivery to Brandon, MS. Estimate value \$131,040
- August 03, 2000 19:50 INFO #13 to buy 7 Truckloads of HMWPE - Film Grade for \$.520 per pound. Delivery to Brandon, MS. Estimate value \$ 152,880
- August 03, 2000 19:49 CHANGED #10 to BUY 4 Truckloads of HMWPE - Film Grade for \$.520 per pound. Delivery to Brandon, MS. Estimate value \$87,360
- August 03, 2000 19:49 INFO #12 to buy 6 Truckloads of HMWPE - Film Grade for \$.520 per pound. Delivery to Brandon, MS. Estimate value \$ 131,040
- August 03, 2000 19:48 PLACED #11 to buy 1 Rail Car of LLDPE - Film Grade - Hexene - High Additives for \$.510 per pound. Delivery to Evansville, IN. Estimate value \$ 96,900
- August 03, 2000 19:47 PLACED #10 to buy 4 Truckloads of HMWPE - Film Grade for \$.520 per pound. Delivery to Brandon, MS. Estimate value \$ 87,360
- August 03, 2000 19:47 FILLED #9 You bought 1 Truckload of HDPE - HIC Blow Molding for \$.564 per pound. Delivery to Akron, OH. Estimate Value of \$23,688
- August 03, 2000 19:47 PLACED #9 to buy 2 Truckloads of HDPE - HIC Blow Molding for \$.564 per pound. Delivery to Akron, OH. Estimate value \$ 47,376

FIG. 14

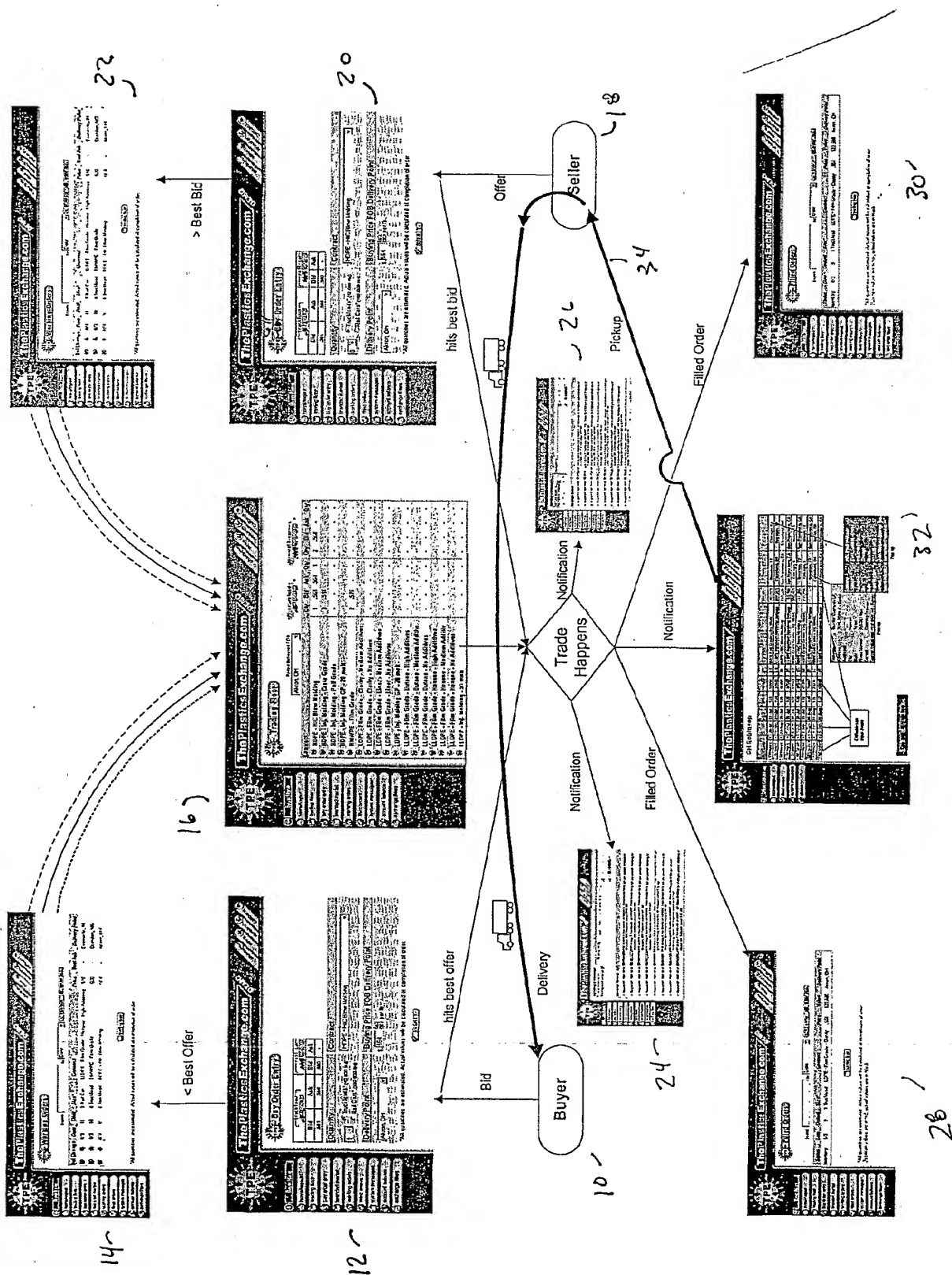


FIG. 15

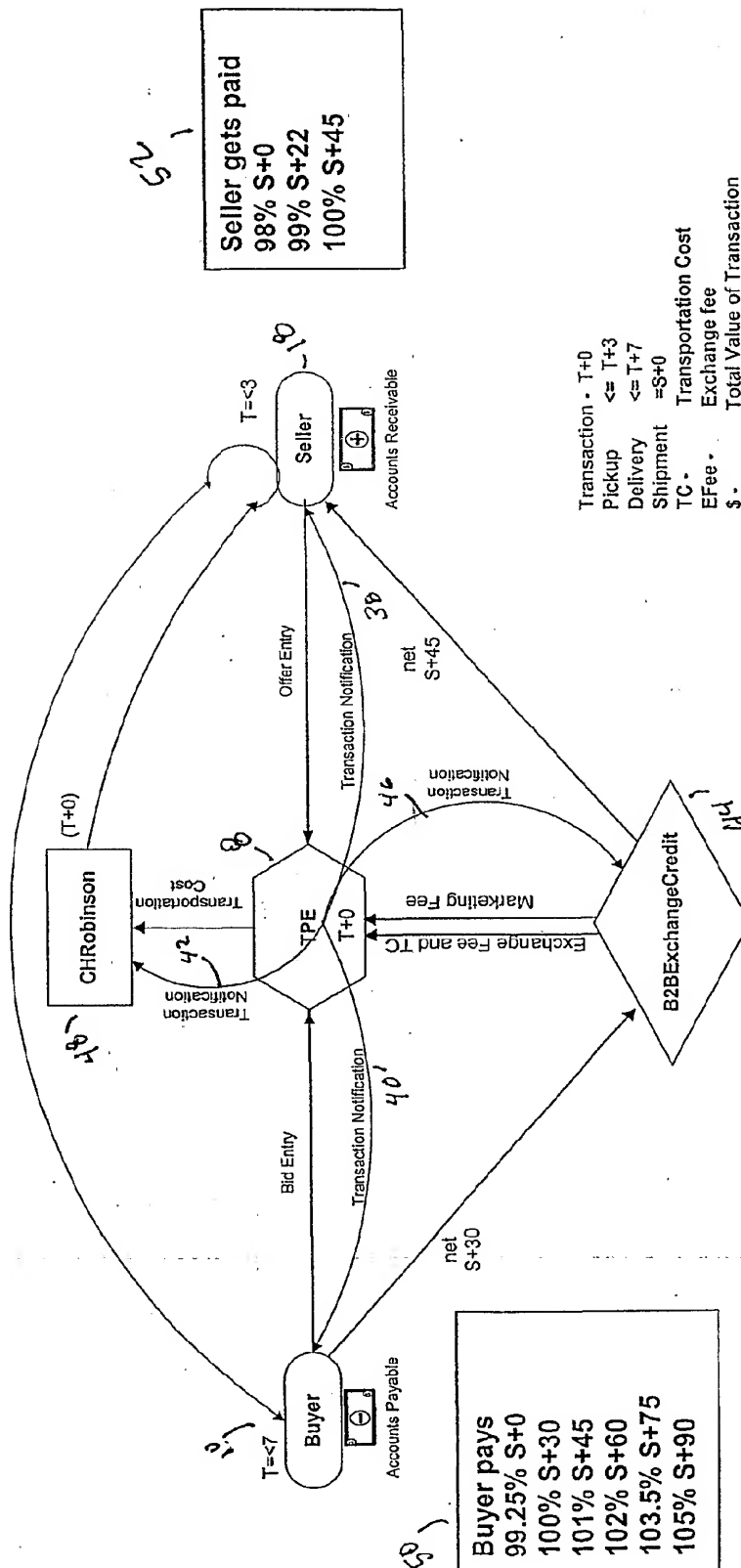


Fig. 16

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US01/12433

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G 06 F 17/60

US CL : 705/37

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 705/37

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	US 6,219,653 B1 (O'NEILL et al) 17 April 2001, entire document	1-30
Y	US 5,724,524 A (HUNT et al) 03 March 1998, entire document	1-30
Y	US 6,035, 289 A (CHOU et al) 07 March, 2000, entire document	1-30
Y	US 6,064,981 A (BARNI et al) 16 May 2000, entire document	1-30
Y	US 6, 058,379 A (ODOM et al) 02 May 2000, entire document	1-30
Y	US 5,715,402 A (POPOLO) 03 February 1998, entire document	1-30
A	US 5,136,501 A (SILVERMAN et al) 04 August 1992, entire document	1-30
A	"TradingProduce.com Revolutionizes Produce Trading", Business Wire, 9 January 2000, extracted on the Internet from Database, "Corporate ResourceNet", on 27 September 2001, entire document	1-30



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:		"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A"	document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E"	earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O"	document referring to an oral disclosure, use, exhibition or other means		
"P"	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

26 September 2001 (26.09.2001)

Date of mailing of the international search report

17 DEC 2001

Name and mailing address of the ISA/US

Commissioner of Patents and Trademarks
Box PCT

Washington, D.C. 20231

Facsimile No. (703)305-3230

Authorized officer

Yogesh C. Garg

Telephone No. 703-306-0252

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US01/12433

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	"CoreMarkets Selects ebusiness Technologies' Dynabase to Power Digital Marketpalce of INdustrial MATerials Dynabase Will Support International Commodities Exchange of Ferro Alloys and Bulk Ores", PR Newswire, 07/12/2000, extracted from Database, Corpoprare ResourceNet, on Internet on 27 September 2001, entire document,	1-30
A	US 5,732,400 A (MANDLER et al) 24 March 1998, entire document	1-30

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US01/12433

Continuation of B. FIELDS SEARCHED Item 3:

EAST Database for: USPAT, US-PGPUN, JPO, EPO, DERWENT.

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